-	Application No.	Applicant(s)
Notice of Allowability	10/565,964	ROGG ET AL.
	Examiner	Art Unit
	Thai-Ba Trieu	3748
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT R of the Office or upon petition by the applicant. See 37 CFR 1.31	nears on the cover sheet with (S (OR REMAINS) CLOSED in the communation of the community of the	his application. If not included ication will be mailed in due course. THIS
1. This communication is responsive to <u>08/08/2007 and 09/2</u>	<u>21/2007</u> .	
2. The allowed claim(s) is/are <u>12-32</u> .		
 3. Acknowledgment is made of a claim for foreign priority units a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 	e been received. e been received in Application	No
International Bureau (PCT Rule 17.2(a)).		
* Certified copies not received:		
Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDON! THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		reply complying with the requirements
4. A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.		
5. CORRECTED DRAWINGS (as "replacement sheets") must be submitted.		
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached		
1) 🔲 hereto or 2) 🔲 to Paper No./Mail Date		
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date		
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in		
5. DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.		
Attachment(s)	_	÷
1. Notice of References Cited (PTO-892)		rmal Patent Application
2. Notice of Draftperson's Patent Drawing Review (PTO-948)	6. Interview Sun	nmary (PTO-413), ail Date
3. Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date 08/08/2007	7. Examiner's A	mendment/Comment
Examiner's Comment Regarding Requirement for Deposit of Biological Material	8. ⊠ Examiner's Si 9. □ Other	atement of Reasons for Allowance
	·	

Art Unit: 3748

DETAILED ACTION

This Office Action is in response to the Amendment filed on September 21, 2007.

Claims 1-11 were cancelled; claims 12, 24, and 31 were amended.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose or renders obvious the claimed combination of a circuit arrangement having a low-temperature circuit having a first low-pressure turbocharger; a second high pressure turbocharger; a first cooler provided downstream of the low-pressure turbocharger and upstream of the high-pressure turbocharger for cooling the charge air in a first cooling stage; a second cooler provided downstream of the high-pressure turbocharger and upstream of the engine for cooling the charge air in a second cooling stage, wherein the second cooler comprises a high-pressure charge air/air cooler; and comprising:

" Regarding claim 12:

a third cooler, wherein the third cooler is a low-temperature cooler configured such that low-temperature coolant from the first cooler flows through the low-temperature cooler, wherein the high-pressure charge air/air cooler is arranged alongside the low-temperature cooler and, seen in a direction of air flow of cooling air, upstream of a main coolant cooler.

Regarding claim 19:

a third cooler, wherein the third cooler and the second cooler form a cooling module, wherein a front face of the third cooler takes up 20% to 50% of a

total front surface of the cooling module, wherein the low-temperature circuit is part of an engine cooling circuit.

Page 3

Regarding claim 24:

a third cooler that receives coolant from the low-pressure charge air/coolant cooler, whereto the high-pressure charge air/air cooler is configured to use air flow of cooling air in a main cooling circuit upstream of a main coolant cooler as seen in a direction of the air flow of the cooling air.

Regarding claim 31:

cooling the charge air in a first cooling stage using a low-pressure charge air/coolant cooler provided downstream of the low-pressure turbocharger and upstream of a second high-pressure turbocharger, wherein coolant from the low-pressure charge air/coolant cooler flows into a coolant/air cooler."

Conclusion

The IDS (PTO-1449) filed on August 08, 2007 has been considered. An initialized copy is attached hereto.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Haase (Patent Number 6,848,397 B2) discloses a cooling system for an engine having indirect charge air-cooling.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Application/Control Number: 10/565,964

Art Unit: 3748

Any inquiry concerning this communication or earlier communications from the

Page 4

examiner should be directed to Thai-Ba Trieu whose telephone number is (571) 272-

4867. The examiner can normally be reached on Monday - Thursday (6:30-5:00).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas E. Denion can be reached on (571) 272-4859. The fax phone

number for the organization where this application or proceeding is assigned is 571-

273-8300.

Information regarding the status of an application may be obtained from the

Patent Application Information Retrieval (PAIR) system. Status information for

published applications may be obtained from either Private PAIR or Public PAIR.

Status information for unpublished applications is available through Private PAIR only.

For more information about the PAIR system, see http://pair-direct.uspto.gov. Should

you have questions on access to the Private PAIR system, contact the Electronic

Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a

USPTO Customer Service Representative or access to the automated information

system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

TTB

September 26, 2007

Thai-Ba Trieu Primary Examiner

harbabrien

Art Unit 3748